AMENDMENTS TO THE CLAIMS

Docket No.: 61843(51035)

This listing of claims will replace all prior versions and listings of claims in the application:

- 1.-5. (Canceled)
- 6. (Original) A method for increasing food and energy uptake from a livestock feed by livestock comprising:

administering to the livestock a feed having an effective amount of hop acid capable of decreasing the production of unoxidized carbon sources in a digestive system fluid of the livestock.

- 7. (Previously presented) The method of claim 6 wherein the hop acid is selected from at least one of the group consisting of alpha acids, beta acids, isoalpha acids, rhoisoalpha acids, tetrahydroisoalpha acids and hexahydroisoalpha acids.
- 8. (Currently amended) The method of claim 7 wherein the alpha acids are selected from at least one of the group consisting of humulone, cohumulone, [[,]] and adhumulone.
- 9. (Original) The method of claim 7 wherein the beta acids are selected from at least one of the group consisting of lupulone, colupulone, and adlupulone.
- 10. (Original) The method of claim 6 wherein the amount of hop acid is 2 ppm of digestive system fluid.
- 11. (Original) The method of claim 6 wherein the livestock is selected form the groups consisting of cattle, horses, pigs, and zoo animals.
- 12. (Previously presented) The method of claim 6 wherein the hop acid is capable of increasing the level of propionate in the digestive system fluid.
 - 13.-16. (Canceled)
- 17. (Previously presented) The method of claim 7, wherein the hop acids are selected from at least one of the group consisting of alpha acids and beta acids.

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	18.	(Previously presented)	The method of claim 6, wherein the livestock is a	
ruminant.				
cow.	19.	(Previously presented)	The method of claim 6, wherein the livestock is a	
poultr	20. y or fov	(Previously presented)	The method of claim 6, wherein the livestock is a	
chicke	21. en, duck	(Previously presented)	The method of claim 6, wherein the livestock is a	
pig.	22.	(Previously presented)	The method of claim 6, wherein the livestock is a	
horse.	23.	(Previously presented)	The method of claim 6, wherein the livestock is a	